

Docket No.: 043888-0267



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
Tsutomu OHZUKU, et al.	:	Confirmation Number: 9492
Application No.: 10/629,815	:	Group Art Unit: 1745
Filed: July 30, 2003	:	Examiner: LEE, CYNTHIA K

For: POSITIVE ELECTRODE ACTIVE MATERIAL AND NON-AQUEOUS ELECTROLYTE  
SECONDARY BATTERY CONTAINING THE SAME

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

In accordance with 37 CFR 1.17(p), please charge the fee of \$180.00 to Deposit Account No. 500417.

02/21/2007 SSITHIB1 00000085 500417 10629815

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10/629,815

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

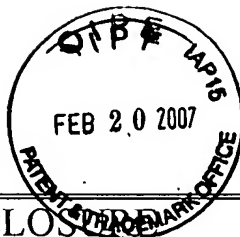


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**Date: February 20, 2007**

**Please recognize our Customer No. 20277  
as our correspondence address.**



SHEET 1 OF 1

INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.  
**043888-0267**SERIAL NO.  
**10/629,815**APPLICANT  
**Tsutomu OHZUKU, et al.**FILING DATE  
**July 30, 2003**GROUP  
**1745**

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 6,551,744	04-22-2003	Ohzuku et al.	
		US 2003/0054251	03-20-2003	Ohzuku et al.	
		US 2003/0087154	05-08-2003	Ohzuku et al.	
		US 2003/0170540	09-11-2003	Ohzuku et al.	
		US 2004/0058243	03-25-2004	Ohzuku et al.	
		US 2005/0079416	04-14-2005	Ohzuku et al.	
		US 2007/0009424	01-11-2007	Ohzuku et al.	
		US			
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## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No	
		JP 9-129230 A	05-16-1997	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		X	
		JP 11-1323 A	01-06-1999	SAKAI CHEMICAL INDUSTRY CO., LTD.		X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

<b>INFORMATION DISCLOSURE</b> <b>CITATION IN AN APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>043888-0267</b>		SERIAL NO. <b>10/629,815</b>	
				APPLICANT <b>Tsutomu OHZUKU, et al.</b>			
				FILING DATE <b>July 30, 2003</b>		GROUP <b>1745</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US 5,985,237	11/16/1999	Lu et al.			
		US 6,416,902	07/2002	Miyasaka, Tsutomu			
		US 6,660,432	12/2003	Paulsen et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code <sup>3</sup> -Number + Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No	
		JP 4-267053	09/22/1992	YUASA CORP.		JAPAN (w/English Abstract)	
		WO 03/015198 A2	02/20/2003	3M INNOVATIVE PROPERTIES COMPANY		X	
		JP 2000-223122 A	08/11/2000	SANYO ELECTRIC CO LTD.		ENGLISH ABSTRACT ONLY	
		JP 2002-304993 A	10/18/2002	YUASA CORP.		ENGLISH ABSTRACT ONLY	
		JP 2000-77071 A	3/14/2000	NEC CORP.		JAPAN (w/English Abstract)	
		JP 2001-202959 A	7/27/2001	SUMITOMO METAL MINING CO LTD.		JAPAN (w/English Abstract)	
		JP 3244314	01/07/2002		Corresponds to JP 05-242891	JAPAN (w/English Abstract)	
		JP 63-121258	05/25/1988	ASAHI CHEM IND CO LTD	Corresponds to JP 2547992	JAPAN (w/English Abstract)	
		JP 2001-035495 A	02/09/2001	TOYOTA CENTRAL RES & DEV LAB INC.		FRONT PAGE OF JAPAN (w/English Abstract & Partial Translation)	
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		Ohzuku et al. Chemistry Letters, Volume 30 (2001), Number 7, pp. 642-643					
		Ohzuku et al. Chemistry Letters, Volume 30 (2001), Number 8, pp. 744-745					
		Qiming Zhong et al., "Synthesis and Electrochemistry of $\text{LiNi}_x\text{Mn}_{2-x}\text{O}_4$ ", J. Electrochem. Soc., Vol. 144, No. 1, January 1997, pp. 205-213.					
		M.M. Grush et al., "Correlating Electronic Structure with Cycling Performance of Substituted $\text{LiMn}_2\text{O}_4$ Electrode Materials: A Study Using the Techniques of Soft X-ray Absorption and Emission", Chem. Mater, 2000, 12, pp. 659-664.					
		"Layered Cathode Materials $\text{Li}[\text{Ni}_{1/3}\text{Li}_{1/3-2x/3}\text{Mn}_{2/3-2x/3}]\text{O}_2$ for Lithium-Ion Batteries." Zhonghua Lu, et al. <i>Electrochemical and Solid-State Letters</i> 4(11) (2001), pp. A191-A194.					
		"Relationship Between Chemical Bonding Character and Electrochemical Performance in Nickel-Substituted Lithium Manganese Oxides." Hyo-Suk Park, et al. <i>J. Phys. Chem. B</i> Vol.105 No.21 (2001), pp.4860-4866.					
		"Synthesis, Structure, and Electrochemical Behavior of $\text{Li}[\text{Ni}_{1/3}\text{Li}_{1/3-2x/3}\text{Mn}_{2/3-2x/3}]\text{O}_2$ ," Zhonghua Lu, et al. <i>Journal of the Electrochemical Society</i> 149(6) (2002) pp.A778-A791.					
		"Preparation by a 'chimie douce' route and characterization of $\text{LiNi}_2\text{Mn}_{1-x}\text{O}_2$ (0.5 ≤ x ≤ 1) Cathode Materials." Daniel Caurant, et al. <i>J. Mater. Chem.</i> 6(7) (1996), pp.1149-1155.					
		Atsushi Ueda et al., "Solid-State Redox Reactions of $\text{LiNi}_{1/2}\text{Co}_{1/2}\text{O}_2$ (R3m) for 4 Volt Secondary Lithium Cells", J. Electrochem. Soc., Vol. 141, No. 8, August 1994, pp. 2010-2014.					
EXAMINER				DATE CONSIDERED			

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